

Converting Colors

XYZ(49.7408, 56.3359,
102.8600)

Have a look what the booklet for
XYZ(49.7408, 56.3359, 102.8600)
contains.

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Color

**XYZ(49.7942, 56.3492,
102.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	85CEFF
RGB	133, 206, 255
RGB Percent	52%, 81%, 100%
CMY	0.4784, 0.1921, 0.0000
CMYK	0.48, 0.19, 0.00, 0.00
HSL	204°, 100%, 76%
HSV	204°, 48%, 100%
XYZ	49.7942, 56.3492, 102.8598
YIQ	189.7590, -59.2370, -0.2370

Conversions

Conversions Part 2

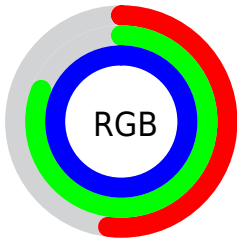
Format	Color
R _Y B	133, 179, 255
Decimal	8769279
CIE Lab	79.81, -9.91, -31.05
CIE LCh	80, 32.592, 252.297
Yxy	56.3492, 0.2382, 0.2696
Android (android.graphics.Color)	4286959359 (0xFF85CEFF)
YUV	189.7590, 32.1638, -49.7776
Hunter-Lab	75.0661, -12.9598, -28.6962

Details

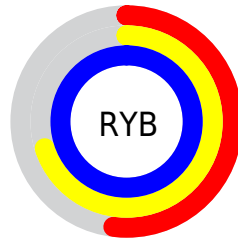
The XYZ color **49.7942, 56.3492, 102.8598** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2024, 56.4104, 29.8022**, and the grayscale version is **48.6519, 51.1856, 55.7411**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.2453, 27.9895, 57.5507** is the 20% darker color. If you saturate the color by 10%, you get **43.8606, 49.7497, 101.8987**, and if you desaturate by 10%, it is **56.8689, 63.7778, 103.9208**.

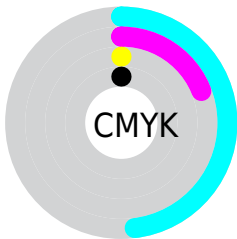
Distribution



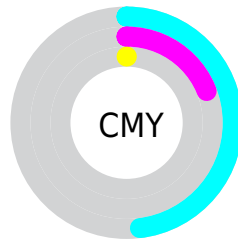
- Red (52%)
- Green (81%)
- Blue (100%)



- Red (52%)
- Yellow (70%)
- Blue (100%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7942, 56.3492, 102.8598 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.7942, 56.3492, 102.8598 by changing the saturation by 10% instead.

■ 49.7942, 56.3492,
102.8598

■ 49.7942, 56.3492,
102.8598

376.3259,
411.0062, 590.6479

■ 35.4670, 40.4830,
78.0609

■ 89.0635, 99.5150,
167.1677

■ 24.1911, 27.9153,
57.6072

■ 114.7364,
127.5833, 207.5138

■ 15.6009, 18.2618,
41.0804

■ 144.9219,
160.4877, 253.8793

■ 9.3312, 11.1381,
28.0617

179.9853,
198.6128, 306.6829

■ 5.0167, 6.1598,
18.1327

220.2921,
242.3427, 366.3430

■ 2.2919, 2.9425,
10.8749

266.2075,

■ 0.7905, 1.1018,

292.0620, 433.2781

5.8697

318.0970,
348.1550, 507.9069

■ 0.0000, 0.0000,
2.6985

■ 0.0000, 0.0000,
0.9427

■ 49.7942, 56.3492,
102.8598

■ 49.7942, 56.3492,
102.8598

■ 43.8606, 49.7497,
101.8987

■ 56.8689, 63.7778,
103.9208

■ 38.9882, 43.9301,
101.0322

■ 65.1473, 72.0687,
105.0848

■ 35.0936, 38.8439,
100.2557

■ 74.6933, 81.2602,
106.3558

■ 32.0771, 34.4350,
99.5637

■ 85.5643, 91.3861,
107.7373

■ 29.8063, 30.6302, 95.0500, 100.0000,
98.9490 108.9000

■ 29.3733, 29.8666,
98.8244

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7160, 56.3492, 89.1823



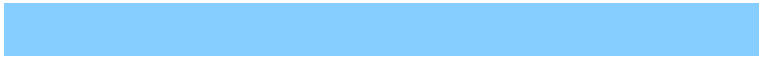
49.7942, 56.3492, 102.8598



56.3045, 56.3492, 104.1159

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.7942, 56.3492, 102.8598



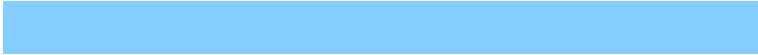
66.9273, 56.3492, 53.9408



45.4700, 56.3492, 38.2229

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.7942, 56.3492, 102.8598



62.2024, 56.4104, 29.8022

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.9027, 56.3492, 32.2731



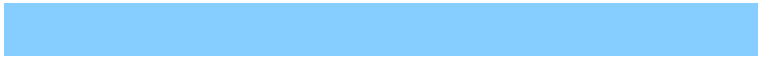
49.7942, 56.3492, 102.8598



63.4955, 56.3492, 40.0169

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.7942, 56.3492, 102.8598



66.5689, 56.3492, 73.0732



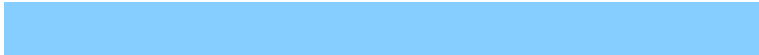
57.5073, 56.3492, 32.8542



42.3639, 56.3492, 50.9612

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.7942, 56.3492, 102.8598



60.6231, 56.3492, 97.4554



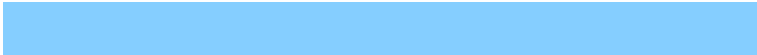
57.5073, 56.3492, 32.8542



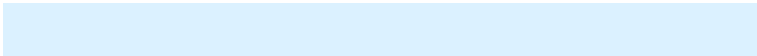
47.0648, 56.3492, 35.4927

Sweetspot

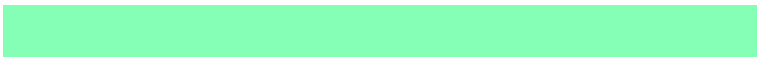
The Sweet Spot groups the original color and five complimentary colors.



49.7959, 56.3512, 102.8601



78.7090, 85.0372, 106.8732



53.8569, 79.8763, 56.7286



16.3589, 17.7437, 22.8126



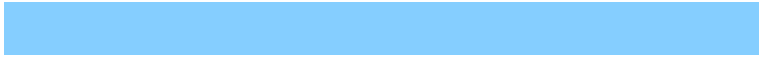
0.0000, 0.0000, 0.0000



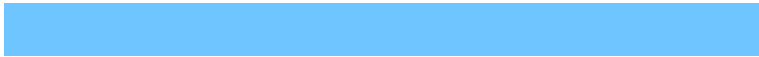
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7959, 56.3512, 102.8601



44.3177, 50.2741, 101.9758



37.8805, 32.5205, 98.8883



17.9070, 19.1857, 23.0094



15.4984, 15.9063, 51.6880



1.6161, 1.7629, 5.0684

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60.7693, 42.4930, 63.3937



56.8131, 36.3504, 56.6191



77.4650, 86.9355, 34.8897



18.4657, 18.1696, 21.0696



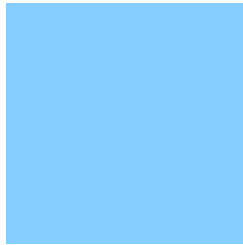
24.6111, 12.3337, 17.1342



2.4503, 1.2225, 1.9529

Previews

White Background



This preview shows how the XYZ color 49.7942, 56.3492, 102.8598 looks on a white background.

Color Contrast Check

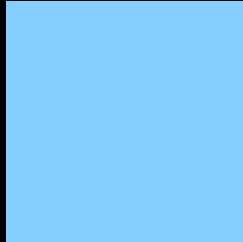
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.7942, 56.3492, 102.8598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

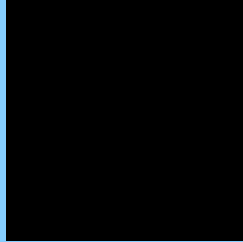
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

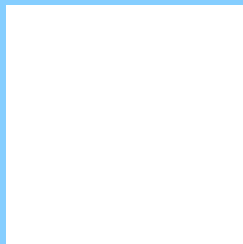
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7942, 56.3492, 102.8598

Background



This preview shows how black text looks on a background with the XYZ color 49.7942, 56.3492, 102.8598.

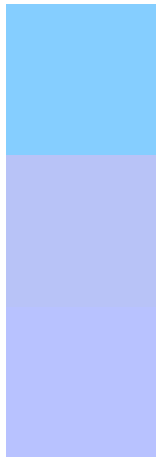


This preview shows how white text looks on a background with the XYZ color 49.7942, 56.3492,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.7942, 56.3492, 102.8598

Protanopia

56.0708, 55.9360, 95.8372

Deuteranopia

57.1090, 55.9939, 102.4057



Tritanopia

45.6100, 56.4751, 81.8957

Trichromacy



Original Color

49.7942, 56.3492, 102.8598

Protanomaly

53.1958, 55.7483, 98.3993

Deuteranomaly

53.7611, 55.6075, 102.5075

Tritanomaly

46.9855, 56.2860, 89.2768

Monochromacy



Original Color

49.7942, 56.3492, 102.8598

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2397, 52.7699, 71.2614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7942, 56.3492, 102.8598 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 206, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7942, 56.3492, 102.8598 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 206, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(133, 206, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(133, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7942, 56.3492, 102.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 206, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133,  
206, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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